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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600,245	06/20/2003	Sandeep Bhatia	14532US01	5543
23446 7590 03/30/2009 MCANDREWS HELD & MALLOY, LTD 500 WEST MADISON STREET SUITE 3400 CHICAGO, IL 60661				
EXAMINER VO, TUNG T				
ART UNIT 2621		PAPER NUMBER		
MAIL DATE 03/30/2009		DELIVERY MODE PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary****Application No.**

10/600,245

**Applicant(s)**

BHATIA, SANDEEP

**Examiner**

Tung Vo

**Art Unit**

2621

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01/08/2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-11 and 16-21 is/are pending in the application.
- 4a) Of the above claim(s) 12-15 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 and 16-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/808)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-11 and 16-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kono et al. (US 2001/0005398) in view of Adolph et al. (US 6,438,318) as set forth in the previous Office Action dated 09/18/2008.

### ***Response to Arguments***

3. Applicant's arguments filed 01/08/2009 have been fully considered but they are not persuasive.

The applicant argues Adolph does not teach "a FIFO for storing indicators indicating images to be displayed" as recited in claims 1, 5, 8, and 11 in the remarks.

The examiner respectfully disagrees with the applicant. It is submitted that Adolph teaches a memory (16 of fig. 7) includes three memories in order (A, B, and C of fig. 7) and stores indicators (A, B, and C of fig. 8) indicating images to be displayed based upon the table (20 of fig. 7) of the control unit (19 of fig. 7).

Moreover, Adolph teaches that the picture I0 is written into frame memory A after the decoding operation (col. 5, lines 23-24), then the picture I0 is released for display (col. 45-47)

based upon the command DISP A as indicated ( $t=1$  of fig. 8), the decoded picture I1 from the memory B is displayed next as indicated DISP B ( $t=14$  of fig. 8), and the decoded picture B, from the memory C is display as indicated DISP C ( $t=15$  of fig. 8). This disclosure fairly suggests the memory (16 of fig. 7) having its indicators (A, B, and C of fig. 7) to indicate the decoded pictures to be displayed (DISP A, DISP B, and DISP C of fig. 8), and the memories A, B, and C store and release the decoded I0, I1, and B pictures for display (the memory A stores I0, col. 5, lines 23-24; the memory B stores I1, col. 5, lines 24-25; the memory C stores B pictures, col. 5, lines 53-54) based on the commands as indicated DISP A, DISP B, and DISP C, this shows that the memory (16 of fig. 7) is a FIFO operation. In view of the discussion above, the claimed features are unpatentable over Adolph and Kono.

The applicant argues that Adolph does not teach the FIFO stores the indicators in a particular order, and wherein the display engine displays the images associated with the indicators in an order corresponding to the order that the indicators are stored in the FIFO as recited in claim 16.

The examiner respectfully disagrees with the applicant. It is submitted that Adolph teaches the memory (16 of fig. 7) has FIFO operation as described above and indicators stored in the memories (A, B, and C of fig. 7) in a particular order (the memory A stores I0, col. 5, lines 23-24; the memory B stores I1, col. 5, lines 24-25; the memory C stores B pictures, col. 5, lines 53-54; wherein DISP A for memory A, DISP B for memory, DISP C for memory C; this would fairly suggest a particular order).

The applicant argues that Adolph does not teach wherein the FIFO stores the indicators in the particular order prior to the display engine displaying the images associated with the

indicators in the order corresponding to the order that the indicators are stored in the FIFO as recited in claim 21.

The examiner respectfully disagrees with the applicant. It is submitted that Adolph teaches the memory (16 of fig. 7) has FIFO operation as described above and indicators stored in the memories (A, B, and C of fig. 7) in the particular order (the memory A stores I0, col. 5, lines 23-24; the memory B stores I1, col. 5, lines 24-25; the memory C stores B pictures, col. 5, lines 53-54) prior to the display engine (17 of fig. 7, outputting to a display) displaying the images associated with the indicators in the order the indicators are stored in the FIFO (displays I0 from the memory A, displays I1 from the memory B, and displays B from the memory C are indicated as DISP A, DISP B, DISP C of fig. 8).

### *Conclusion*

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

***Contact Information***

1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung Vo whose telephone number is 571-272-7340. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on 571-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tung Vo/

Primary Examiner, Art Unit 2621